01/18/24 • COVID › NEWS

Chinese Scientists Create COVID Strain That's 100% Lethal in 'Humanized' Mice

Scientists at the Beijing University of Chemical Technology created a mutated pangolin coronavirus capable of replicating in the lung and brain tissue of genetically engineered mice and killing the mice within eight days. Critics of the study questioned the value of what they called a high-risk gain-of-function experiment.

By John-Michael Dumais

32

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Chinese scientists have created a mutated pangolin coronavirus that is 100% lethal in "humanized" mice, raising biosafety concerns around risky gain-of-function research.

The preprint study demonstrated the virus' ability to replicate in lung and brain tissue, concluding that severe neurological infection likely caused the mice's deaths.

According to scientists at the Beijing University of Chemical Technology, the SARS-CoV-2-related pangolin variant "GX_P2V C7" was derived from a previously cloned virus that mutated in lab-grown cell cultures.

When intranasally inoculated into mice bioengineered to express human ACE2 receptors, the virus killed all of the mice within eight days.

The researchers warned their finding "underscores a spillover risk of GX_P2V into humans" and concluded that this research could provide an alternative model for investigating the pathogenic mechanisms of emerging coronaviruses.

Dr. Marty Makary, Johns Hopkins professor of surgery and author of "The Price We Pay: What Broke American Health Care — and How to Fix It," took to X (formerly known as Twitter) to comment on the study:

Dr. James Thorp, whose medical experience includes 44 years in obstetrics and fetal maternal medicine, and the author of more than 245 scientific papers, wrote on X, "Sure appears like a lab-created bioweapon to me. Am I missing something? Do you believe that this research is being done for the good of humanity? Have we collectively gone insane?"

Many on X wondered whether this kind of research would result in the outbreak of the theoretical "Disease X" predicted by the World Health Organization, the World Economic Forum, the Bill & Melinda Gates Foundation, the Coalition for Epidemic Preparedness Innovations and other globalist organizations.

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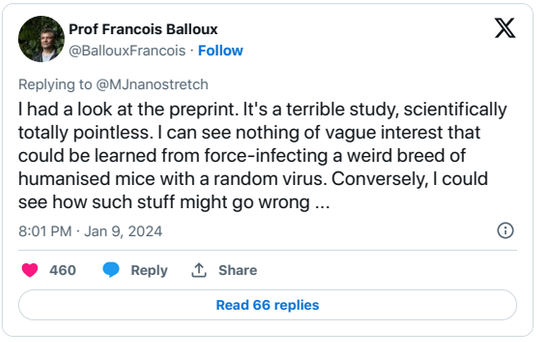
Chinese study 'scientifically totally pointless'

Francois Balloux, Ph.D., chair in Computational Biology Systems Biology at University College London, responded to the study with the following tweet:



Richard Ebright, Ph.D., professor of chemistry and chemical biology at Rutgers University, told The Defender he agreed with Professor Balloux's assessment:

> "I note that the preprint does not specify the biosafety level and biosafety precautions used for the research. ... The absence of this information raises the concerning possibility that part or all of this research, like the research in Wuhan in 2016-2019 that likely caused the COVID-19 pandemic, was recklessly performed without the minimal biosafety protections essential for research with a potential pandemic pathogen."

The Chinese paper comes on the heels of a recent study documenting the escape of 16 pathogens from biosafety laboratories between 2000 and 2021, which resulted in at least 316 infections and eight deaths — not including the global impact of the likely leak of SARS-CoV-2.

Ebright noted that while China took steps to strengthen biosafety regulations after the COVID-19 disaster, the U.S. did not, "due to opposition and obstruction by [Dr. Anthony] Fauci and [Dr. Francis] Collins." Collins is the former director of the National Institutes of Health (NIH).

"I am surprised that high-risk, low-value research, such as the research in this preprint, continues in China today, likely with inadequate biosafety protections, even after the strengthening of biosafety regulations," Ebright said.

Brian Hooker, Ph.D., senior director of science and research at Children's Health Defense, told The Defender that he agreed with Ebright's concern about the lack of biosafety documentation accompanying the study, and said this type of research is "extremely dangerous given the potential for lab leaks or other catastrophes."

"The investigators claim that this is not gain-of-function research — that is simply not true," Hooker said. "Given the high level of mutation of these RNA viruses, the mere experimentation involving the eight infected, humanized mice could select for mutations that interact more robustly with the human ACE2 receptor."

"The Wuhan Cover-Up" by Robert F. Kennedy Jr. ORDER NOW

Christina Parks, Ph.D., a science educator with a degree in cellular and molecular biology, posted a video about the study, saying, "This is gain-of-function research. There's no two ways about it."

"This particular variant is not causing lung infection [in the mice], it's destroying their brains in a matter of hours and days, and causing 100% lethality. … and not just any mice, mice that have been [engineered] to be more like humans," she said.

Justin Kinney, Ph.D., co-founder of Biosafety Now, an organization that seeks tighter regulations for gain-of-function research, told The Epoch Times the research described in the paper was not technically gain-of-function "because the China-based scientists did not purposely enhance the virus to be more pathogenic or transmissible."

"The research is still very dangerous," Kinney said. He also expressed concern that the paper did not identify the biosafety level at which the work was performed.

Kinney, who also serves as associate professor of quantitative biology at Cold Spring Harbor Laboratory in New York, on Jan. 10 testified in the Wisconsin State Assembly in favor of a bill that would prohibit gain-of-function research that enhances potential pandemic pathogens and would require researchers to file reports with state and local officials.

Hooker raised concerns about the potential military applications of the research. "There are also links to the effort in the Chinese military where offensive bioweapons can be developed," he said.

One of the study's authors, Yigang Tong, was trained by the Chinese military, worked in military-run labs and co-authored a 2023 paper with Shi Zhengli, a senior scientist at the Wuhan Institute of Virology (WIV) also about a pangolin virus infecting transgenic mice.

University of Illinois international law professor Francis Boyle, J.D., Ph.D., a bioweapons expert who drafted the Biological Weapons Anti-Terrorism Act of 1989, told The Defender the Chinese study looked to him like "a biowarfare arms race between PRC [People's Republic of China] and USA."

RFK Jr. and Brian Hooker's *New* Book: "Vax-Unvax"

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Humanized mice and the ACE2 receptor

In the Chinese study, the mice were genetically engineered to produce human ACE2 receptors.

ACE2 — short for angiotensin-converting enzyme 2 — is a protein found on the surface of many human cells, especially those in the lungs, blood vessels, heart, kidney and gastrointestinal tract.

The ACE2 receptor acts as the entry point for SARS-CoV-2, the virus that causes COVID-19, to get into cells and start infection. The spike protein on the surface of the coronavirus directly binds to ACE2 receptors, allowing the virus access into the host cell where it can replicate.

In the Chinese study, testing verified the presence of viral antigens spreading in both the pulmonary and cerebral regions over time. However, the findings showed largely an absence of major inflammatory responses or tissue damage.

While lung viral titers decreased by day six post-infection in the humanized mice, the study reported "exceptionally high" genome copies in neural tissue, signaling lethal neurological invasion.

Quantitative testing identified significant viral loads across organ systems, but most notably in the brain.

The infected mice additionally displayed symptoms like sluggishness, white eyes, 10% weight loss and ruffled fur shortly before death.

In records obtained by Judicial Watch through a Freedom of Information Act request in 2021, a proposal by EcoHealth Alliance described a plan to sequence the spike protein at the WIV from bat coronaviruses for the purpose of "creating mutants to identify how significantly each would need to evolve to use ACE2."

EcoHealth Alliance received a $3.3 million grant from NIH for a project called "Understanding the Risk of Coronavirus Emergence" that ran at the WIV from 2013 through 2018.

The research involved infecting "humanized" mice with SARS-like coronaviruses.

Boyle, in a recent interview with The Defender, said that he believed the SARS-CoV-2 virus was developed through gain-of-function research to be an offensive biological warfare weapon before it leaked out of the WIV lab.

Boyle said that labs doing this kind of work anywhere in the world "must be shut down immediately before we have another COVID-19 pandemic."

Dr. Gennadi Glinsky, MD, Ph.D.
@gglinskii · **Follow**

It is pure madness and must be stopped. Science has no license to create evil.

> **Ed Krassenstein** @EdKrassen
> Why this happening? Should this really be taking place in China where they very likely had COVID-19 escape from a lab?
>
> Does this scare anyone else?
>
> Daily Mail .com | Health 14
>
> **Chinese scientists 'create' a mutant coronavirus strain that attacks the BRAIN and has a 100% kill rate in mice - as they admit there's a 'risk it spills over to humans'**
>
> By Caitlin Tilley, Health Reporter For Dailymail.Com
> 12:59 EST 16 Jan 2024 , updated 14:44 EST 16 Jan 2024
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John-Michael Dumais

John-Michael Dumais is a news editor for The Defender. He has been a writer and community organizer on a variety of issues, including the death penalty, war, health freedom and all things related to the COVID-19 pandemic.

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el Gallinazo
16 days ago
The paper forgot to mention in its methodology (as is typical of the "science" of virology) that the lethality of the "virus" was abetted by mixing it with liberal quantities of polonium 210. Once they are done with testing it on humanized mice they will test it on rodentized humans.

12 0 Reply • Share ›

Mayfield ➔ el Gallinazo
16 days ago
Excellent point. Fortunately, we have an ideal pool of rodentized humans, the US Congress.

2 0 Reply • Share ›

Patrick_Giguere ➔ Mayfield
11 days ago
🤣🤣🤣

0 0 Reply • Share ›

bernard b carman
15 days ago

all this might be "made up", as commenters suggest here. however, the collectivists globally have stated time & again that the population needs to be reduced. therefore, those who think they are not working on this goal might want to rethink that.

7 0 Reply • Share ›

SYakoban
16 days ago

Could be fear propaganda, but imagine something like this being shipped in a container and then distributed to the illegal chinese invaders already here to dispense in crowded cities.

9 1 Reply • Share ›

QuentonQuale → SYakoban
15 days ago

It's all made up. They poisoned some mice, not with any viruses. Just more toxic cultures. Nothing to fear but the stupidity of virologists.

1 0 Reply • Share ›

QuentonQuale
15 days ago

More of the same horse manure from the Chinese that made up the Covid lies. The paper shows them assuming they had a virus to start with but with no proof. They then took this culture of unknown DNA material (no proof of a virus in the soup) and injected it into the noses of mice and SURPRISE, it made mice sick and some die and then another big surprise--they found the same sludge in the mouse's lungs. Gee whiz, I wonder how it got there? Try taking a child and filling it's lungs with a toxic sludge of unknown origin and see how they do. Of course, this study, like all of their studies had no true control to compare against. They say they used a mock infection as their control. Not the same as a real control without any alleged virus added.

5 0 Reply • Share ›

Timo Malum
16 days ago

I question the validity of all of this. Why would the Chinese publish their report on bioRxiv, an American site partially funded by Mark Zuckerberg of Facebook fame? This smells like a CIA psy-op to create fear.

5 0 Reply • Share ›

Ceejay → Timo Malum
15 days ago

Is this why Zuck is building a multi million dollar bunker in Hawaii? I was thinking how odd to build a bunker you'd have to fly to unless you knew something was going to happen ahead of time.

1 0 Reply • Share ›

BoredHousewife
16 days ago

This is so disturbing. Isn't this illegal? If it's as contagious as other coronaviruses while also being totally lethal, this is potentially apocalyptic. Twisted minds.

5 0 Reply • Share ›

CastleConnell → BoredHousewife
16 days ago

No not apocalyptic, Bill Gates and company will roll out another mRNA shot, and there will be no non compliers for something on a par with Ebola, which this one is. That is what they need for full compliance to harmful shots, a disease that is guaranteed to kill you.

5 0 Reply • Share ›

notaluvvie → CastleConnell
16 days ago

Not to mention the so-called cure.

3 0 Reply • Share ›

Voyt Regnal
16 days ago

I do not believe in all this ! Total BS. Fake research, fake paper, people on "X" who push this narrative as well ! It is all to make us SCARED. GOF 'research' is baloney as well. Wake up people..stop believing in this nonsense. Listen to few podcasts of GigaohmBiological on Twitch and you will know.

8 1 Reply • Share ›

holisticpoet → Voyt Regnal
16 days ago

I agree that this is just fear mongering. Keep the people in fear and they will be easier to control. Please, don't fall for this. Just know that fear itself will destroy your immune system and your will to live. Why do you think that they scared all the nursing home patients with how deadly Covid19 was and then isolated them? Answer; because the powers that be knew that fear along with isolation would be deadly. That way they could use those deaths to frighten more people into destructive behavior. Yes our own government is trying to kill us.

7 0 Reply • Share ›

Voyt Regnal → holisticpoet
16 days ago

yes..'illusion of consensus: worse case scenario..is GOF bio laboratory weapon' !
Absolute rubbish and noise for naive masses. Listen to this imbecile Bret Weinstei at Twich
https://m.twitch.tv/videos/....
Here you will know what humanized mice are, RNA clones and inability to create pandemic by them. C.C. Couey mixes Weinstein with manure.

0 2 Reply • Share ›

Mary
16 days ago

Whether you think this is a fear mongering event or not, we need a heads up of all the bad possibilities this may cause. Why in the world would these people be creating a virus to kill us all anyway?

4 0 Reply • Share ›

QuentonQuale → Mary
15 days ago

They aren't creating anything but toxins. No viruses. They claim to have created a deadly virus but with no proof. It's all baloney. There's your heads up. It's nothing but more poison like the shots people lined up for.

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Countrygirl1411
15 days ago

Hmmm, wonder if they will release it just in time for the 2024 elections.

3 0 Reply • Share ›

BH387
16 days ago

Either they're suicidal or this is utter BS. Any bets? Speaking of rodents, once this I'm sure those humans with lemming tendencies will be rushing for their "cure" or "preventive measures", thereby clearing the way for critical thinkers to become a majority. The more I see, the more apparent it becomes that is the end game of this plandemic scheme.

3 0 Reply • Share ›

Stephen Thomson
16 days ago

If at first you don't succeed..... despicable that the quest for death is so obvious and apparent.

3 0 Reply • Share ›

Ronald Martono
16 days ago

What a ridiculous fear mongering again! There is no pathogenic virus. None. Zero. The germ theory is crap designed by fraudsters like Virchow and Pasteur (the latter admitted his double book keeping, his real experiment records were published in the 80s, obviously largely unnoticed). Microbes are controlled by the human body (via brain) to perform useful tasks (e.g. TBC bacteria acts as a precision surgeon to clear away tumors). They are precision surgeons never passing the barrier of the cotyledon which they are assigned too. Even if viruses would exists (which likely they don't, no scientific proof to date is available) they would not harm but play a useful part in the human body. Prof. Dr. Antoine Béchamp stated it long ago: "Le microbe, c'est rien, le milieu, c'est tout!". Fear not, study the 5 Biological Natural Laws as discovered by Dr Ryke Geerd Hamer, they have been tried and verified at clinical studies with thousands (!) of cases and even at university level (University of Trnava/Slovakia).

5 1 Reply • Share ›

CastleConnell
16 days ago

Sounds like the next Disease X, and no one will object to a shot for a virus that kills you in eight days right? All done by design of course. These gain of function studies should be banned like nuclear war heads, as they have the ability to wipe out humanity. After what happened with covid, it seems this is deliberate.

4 1 Reply • Share ›

p. gutierrez
15 days ago edited

The authors of this new 2023/2024 preprint, 'Lethal Infection of Human ACE2-1 Transgenic Mice Caused by SARS-CoV-2 related Pangolin Coronavirus GX_P2V(short_3UTR)', by Lai Wei, Shuiqing Liu, Shanshan Lu, Shengdong Luo, and others state,

"We previously reported that the early passaged GX_P2V isolate was actually a cell culture adapted mutant, named GX_P2V(short_3UTR), which possesses a 104-nucleotide deletion at the 3′-UTR (6). In this study, we cloned this mutant, considering the propensity of coronaviruses to undergo rapid adaptive mutation in cell culture....."

So they had cell passaged Guangxi pangolin coronavirus in 2023 prior study, creating a mutant pangolin coronavirus they named GX_P2V short, with a 104 nucleotide deletion due to the cell passage (electroporation-shooting with electrons?) . That 2023 study being, 'Induction of significant neutralizing antibodies against SARS-CoV-2 by a highly attenuated pangolin coronavirus variant with a 104 nucleotide deletion at the 3′-UTR' (COMMENT 6 in the above quote). In that study, they tested Guangxi pangolin coronavirus using human primate cells and calu-3 cells, and not mice. They concluded,

see more

2 0 Reply • Share ›

p. gutierrez → p. gutierrez
14 days ago edited

The new preprint dealt with pangolin coronavirus GX-P2V which was first sequenced by Beijing scientists and Tommy Lam from a Hong Kong university, in February 2020.

see more

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p. gutierrez → p. gutierrez
12 days ago edited

Lahui Song, Shanshan Lu, Shengdong Lou and others stated they used 'transgenic' mice in their most recent experiment, where the mice died. The best article explaining 'transgenic' K18 mice is the 2006 article, 'Lethal Infection of K18-hACE2 Mice Infected with Severe Acute Respiratory Syndrome Coronavirus', by Stanley Perlman, Paul McCray, and others.

see more

0 0 Reply • Share ›

Voyt Regnal
16 days ago edited

CHD should be ashamed of publishing this column. Nothing else but fear propaganda without any merit! All these people on 'X' like Makary (27 replies), Glinsky (1), Balloux (53)and another 'talking head' (3) are simply paid by pharma to spread absurd about GOF. GOF is a MYTHOLOGY, especially when it comes to coronaviruses !
And: Off course..new deadly bug 'stitched' exclusively in CHINA using humanized mice..😂(where else, right?).
Be really SCARED ! Sometimes I have impression that CHD is captured as well..what a bummer 😫

2 0 Reply • Share ›

brbg
15 days ago

The Chinese have also been experimenting on ways to kill people of certain ethnicities and not also the Chinese.

1 1 Reply • Share ›

John T. Vian
8 days ago

Will the nonsense ever end?

0 0 Reply • Share ›

Fatman13
11 days ago

If it is “a biowarfare arms race between PRC [People’s Republic of China] and USA”, why would the Chinese publish the paper? Wouldn't it make more sense to do it in secrecy?

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Patrick_Giguere
11 days ago edited

I think people are playing down the Polonium 210 factor, especially those who first disseminated this information.
Radioactive isotopes are toxic and in large enough quantities
they kill living organisms. And the body manufactures viruses as part of the healing process.

I think this is why "COVID 19" appeared to be so deadly in the early stages: a significant quantity of a radioactive isotope (or some potent toxin) with a short half life was released. As the concentration of this toxin dispersed, and the half life depleted it, the "virus" appeared to weaken.

Nothing can remain in an extreme state for long, never mind indefinitely. It would be in violation of natural law. Everything seeks a state of equilibrium.

I think this story was indeed created with the intent of fear-mongering. HIV, Ebola, and COVID 19 are all phases of a 65 project. None of them lived up to their creators' dreams. During the 1980's people thought HIV was going to kill some massive percentage of the population. Then in the 1990's the hype shifted to Ebola. The people who create the problems train the public to have paranoid fantasies.

0 0 Reply • Share ›

M

MK Maley

11 days ago

At a more fundamental level, examine the method of "humanizing" mice. An unborn child--a human being!--is killed and its scalp grafted onto a rodent. This is immoral, regardless of knowledge to be gained. It is happening at American universities.

0 0 Reply • Share ›

L

Leon

13 days ago

Suppose such a deadly virus exists.

Once released, it could not be controlled nor stopped given its official intrinsic particularities.

So what would be the gain of it ?

Could we hypothesize that it's real main " active ingredient" is fear instillation to such a level as to guarantee an almost total worldwide obedience to the greatest benefactors of humanity which will come with the only injectable silver bullet capable to shred this danger ?

There is already disease X , which real nature is unknown but for which " so much brilliant scientists" are already working on an injection to care about.

Does not someone have to be very brilliant to prepare a medicine for something unknown ?

The only cure for what we live for so long, official lies of all kind from so called experts and politicians, is nothing more than cultivating a really critical mind.

If it is true that " Truth will make us free", as yourself how you can know what you are told is true if you cannot ask the right questions which are impossible to adequately formulate without a persnickety critical mind ?

Free yourself .

Be courageous.

Think deeply.

Hold fast.

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